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## Fax Transmission

From:

David J. Zibelli

Date:

February 26, 2004

Direct Dial:

202-220-4334

Fax:

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Client/Matter: 10517/102

Serial No. 09/880,925

Total number of pages:

Group: 1722

Examiner: Unassigned

(including cover)

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|            |            | '            |       |

#### Comments:

# PLEASE DELIVER TO TC 1722 UPON RECEIPT!!

Attached please find copies of papers filed on January 6, 2004 (and attachments), which, we have been informed, have not been associated with the file as yet, due to moving. Expedited processing of the Request is solicited.

If you have any questions or comments, please feel free to contact me.

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New York Washington, DC Silicon Valley www.keapyure.com

The stamp of the Pate. Iffice hereon may be taken as acknowledging the i. it, on the date stamped, of

INVENTORS:

Koichi Hiramatsu, et al.

SERIAL NO,:

09/880,925

DEPOSITED: TITLE:

hine 15, 2001
MOLD CLAMPING APPARATUS AND MOLD CLAMPING

**METHOD** 

GROUP ART:

1742

Examiner: Unossi

#### . PAPERS FILED:

Request for Rescindment of Notice of Abandonment with copy of Notice of dated 12/23/03, Reply to Notice to File Missing Parts of Application, Notice to File Missing Parts dated 8/14/2001 with copy of Declaration a posteged

David J. Zibelli/kw

10517/102

January 6, 2004



Ø 003/011

FEB 2 6 2004



PATENT

Serial No: 09/880,925 Docket No: 10517/102

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Koichi Hiramatsu, et al.

Serial No.

09/880,925

Filed

June 15, 2001

Group Art Unit

1722

Examiner

Unassigned

For

MOLD CLAMPING APPARATUS AND

MOLD CLAMPING METHOD

# REQUEST FOR RESCINDMENT OF NOTICE OF ABANDONMENT

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Sir:

Applicants received the attached Notice of Abandonment concerning this application, which indicates that no reply was received to the Notice to File Missing Parts mailed on August 14, 2001. However, on August 22, 2001, Applicants filed a Reply to Notice to File Missing Parts enclosing a copy of the Notice to File Missing Parts and a Declaration and Power of Attorney, as evidenced by the attached copies along with a PTO stamped postcard indicating the filing on August 22, 2001.

PATENT

Serial No: 09/880,925

Docket No: 10517/102

Accordingly, Applicants request withdrawal of the Notice of Abandonment. Should there be any questions concerning this matter, please contact Applicants' below designated attorney.

Respectfully submitted,

Dated:

1/06/04

David J. Zibelli Registration No. 36,394

KENYON & KENYON 1500 K Street, N.W. - Suite 700 Washington, D.C. 20005-1257

Tel: Fax:

(202) 220-4200 (202) 220-4201

Page 1 of 1



### United States Patent and Trademark Office

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35087

UNITED STATES DEPARTMENT OF COMMERCE United Status Patent and Tradwarark Office Address COMMISSIONER FOR PATENTS FO. Box 1439 Adminish, Vegans 2010-1450

APPLICATION NUMBER

FILING OR 371(C) DATE

FIRST NAMED APPLICANT

ATTY. DOCKET NO TITLE

09/880.925

06/15/2001

10517/102

23838 KENYON & KENYON 1500 K STREET, N.W., SUITE 700 WASHINGTON, DC 20005 CONFIRMATION NO. 5667
ABANDONMENT/TERMINATION
LETTER
AMAGEMENT AND AMAGE

Date Mailed: 12/23/2003

# NOTICE OF ABANDONMENT UNDER 37 CFR 1.53 (f) OR (g)

The above-identified application is abandoned for failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 08/14/2001.

· No reply was received.

A petition to the Commissioner under 37 CFR 1.137 may be filed requesting that the application be revived.

Under 37 CFR 1.137(a), a petition requesting the application be revived on the grounds of **UNAVOIDABLE DELAY** must be filed promptly after the applicant becomes aware of the abandonment and such petition must be accompanied by: (1) an adequate showing of the cause of unavoidable delay; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(I); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Under 37 CFR 1.137(b), a petition requesting the application be revived on the grounds of **UNINTENTIONAL DELAY** must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by: (1) a statement that the entire delay was unintentional; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(m); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Any questions concerning petitions to revive should be directed to the "Office of Petitions" at (703) 305-9282. Petitions should be mailed to: Mail Stop Petitions, Commissioner for Patents, P.O. Box 1450, Alexandria VA

A copy of this notice <u>MUST</u> be returned with the reply.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

012-29-03

The stamp of the Patent Office hereon may be taken as acknowledging the receipt, on the date stamp

INVENTOR:

HIRAMATSU, Koichi et al.

SERIAL NO.:

09/880,925

FILED: TITLE: June 15, 2001 MOLD CLAMPING APPARATUS AND MOLD

**CLAMPING METHOD** 

The PTO is authorized to charge \$130.00 fee regarding this filing to Deposit Account No. 11-0600.

### PAPERS FILED:

Reply to Notice to File Missing Parts; Copy of Notice to File Missing Parts; Copy of Declaration and Power of Attorney

MHN/paa

10517/102

8/22/01

**DOCKET NO.: 10517/102** 

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**APPLICANT** 

HIRAMATSU, Koichi et al.

SERIAL NO.

09/880,925

FILED

June 15, 2001

FOR

MOLD CLAMPING APPARATUS AND MOLD CLAMPING

METHOD

GROUP ART UNIT:

1722

EXAMINER

To be assigned

## REPLY TO NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION DATED AUGUST 14, 2001

ASSISTANT COMMISSIONER FOR PATENTS AND TRADEMARKS Washington, D.C. 20231

ATTN: Manager, Application Division

SIR:

# Enclosed herewith are the following:

- Copy of Notice to File Missing Parts of Nonprovisional Application, dated (1) August 14, 2001; and
- Combined Declaration and Power of Attorney, executed by the inventors (2)

**DOCKET NO.: 10517/102** 

The Commissioner is hereby authorized to charge the fee of \$130.00 for filing the Declaration combined with the Power of Attorney at a date later than the filing date of the Application (37 C.F.R. § 1.16(e)) to Deposit Account No. 11-0600. Any additional Patent Office fee or additional fee amount associated with response to the Notice should be charged to Deposit Account No. 11-0600. A duplicate copy of this transmittal letter is enclosed for accounting purposes.

Respectfully submitted,

Dated: August 22, 2001

Mark H. Neblett Reg. No. 42,028

KENYON & KENYON 1500 K Street, N.W., Suite 700 Washington, D.C. 20005-1257

Tel: (202) 220-4200

Page 1 of 1



## United States Patent and Trademark Office

COMMISSIONER FOR PATENTS UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NUMBER 09/880,925

FILING/RECEIPT DATE 06/15/2001

FIRST NAMED APPLICANT

ATTORNEY DOCKET NUMBER

10517/102

23838 **KENYON & KENYON** 1500 K STREET, N.W., SUITE 700 WASHINGTON, DC 20005

**CONFIRMATION NO. 5667** FORMALITIES LETTER OC000000008421383\*

Date Mailed: 08/14/2001

# NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

### Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below. however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing. A properly signed oath or declaration in compliance with 37 CFR 1.63, Identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items Identified in this letter.

The balance due by applicant is \$ 130.

A copy of this notice MUST be returned with the reply.

Customer Service Center Initial Patent Examination Division (703) 308-1202

PART I - ATTORNEY/APPLICANT COPY

Attny Docket No. 10517/1

## DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventors, we hereby declare that:

Our residence, post office address, and citizenship are as stated below next to our names,

We believe we are original, first, and joint inventors of the subject matter that is claimed and for which a patent is sought on the invention entitled the specification of which (check one)

is attached hereto.

is attached hereto.

X was filed on June 15, 2001

as Application Serial No.

(if applicable).

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claim(s). We do not know and do not believe that the claimed invention was ever known or used in the United States of America before our invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and that the invention has not been patented or made the subject of an inventors certificate issued before the date of this application in any country foreign to the United States of America on an application filed by us or our legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application)

We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37. Code of Federal Regulations, a 1.56(a).

#### POWER OF ATTORNEY: We hereby appoint:

Edward W. Greason, Esq. (Reg. No. 18,918) and John C. Altmiller, Esq. (Reg. No. 25,951) of KENYON & KENYON with offices located at One Broadway New York, 10004 and 1500 K Street. N.W., Suite 700, Washington, D.C. 20005-4201, telephone (202) 220-4200, our attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

SEND CORRESPONDENCE, AND DIRECT TELEPHONE CALLS TO:

Mark H. Neblett, Esq. KENYON & KENYON 1500 K Street, N.W. Washington, D.C. 20005-1257 (202) 220-4232 (direct) (202) 220-4201 (facsimile)

We hereby declare that all statements made herein of our own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by tine or imprisonment, or both, under a 1001 of Title 18 of the United States Code and that such willful statements may jeopardize the validity of the application or any patent issuing thereon.

| FULL NAME OF                          | FAMILY NAME                                       | FIRST GIVEN NAME             | SECOND GIVEN NAME           |
|---------------------------------------|---|------------------------------|-----------------------------|
| FIRST OR SOLE INVENTOR                | Hiramatsu   | Koichi                       |                             |
| RESIDENCE & CITIZENSHIP               | CITY  | STATE OR FOREIGN             | COUNTRY OF CITIZENSHIP      |
|                                       | Toyota-shi  | COUNTRY<br>Aichi-ken         | Japan                       |
| POST OFFICE ADDRESS                   | POST OFFICE ADDRESS 6/0 TOYOTA JIDOSHA KABUSHIKI  | CTY                          | STATE & ZIP<br>CODE/COUNTRY |
|                                       | KAISHA of I, Toyota-cho                           | Toyota-shi                   | Aichi-ken, 471-8571 Japan   |
| Signature Koichi Hiramatou            |   | Date July 2, 2001            |                             |
| FULL NAME OF<br>SECOND JOINT INVENTOR | FAMILY NAME<br>Kadoma                             | FIRST GIVEN NAME<br>Yoshlaki | SECOND GIVEN NAME           |
| RESIDENCE & CITIZENSHIP               | ĊſŢŶ  | STATE OR FOREIGN<br>COUNTRY  | COUNTRY OF CITIZENSHIP      |
| ·                                     | Okazaki-shi                                       | Aichi-ken                    | Japan                       |
| POST OFFICE ADDRESS                   | POST OFFICE ADDRESS  6/6 TOYOTA JIDOSHA KABUSHIKI | CITY                         | STATE & ZIP<br>CODE/COUNTRY |
|                                       | KAISHA of I, Toyota-cho                           | Toyota-shi                   | Aichi-ken, 471-8571 Japan   |
| Signature Yoshia                      | ki Kadoma   | Date<br>July 2, 2001         |                             |

Attny Docket No. 10517/102

| FULL NAME OF   | PAMILY ME  | FIRST GIVEN NAME   | SECOND GIVEN NAME  |
|--|--|--|--|
| THIRD JOINT INVENTOR   | Mano   | Kyoichi  | SECOND GIVEN NAME  |
| RESIDENCE & CITIZENSHIP  | CITY   | STATE OR FOREIGN   | COUNTRY OF CITIZENSHIP   |
| •  | l <u></u>  | COUNTRY  |  |
| POST OFFICE ADDRESS  | Ciryu-shi POST OFFICE ADDRESS  | Aichi-ken  | Japan  |
| POST OFFICE ADDRESS  | CO TOYOTA JIDOSHA KABUSHIKI  | CLLA   | STATE & ZIP  |
|  | KAISHA of I, Toyota-cho  | Toyota-shi   | CODE/COUNTRY Alchi-ken, 471-8571 Japan   |
| Signature  | h  | Date   | Altinacii, 471-0371 Jupan  |
| Kunichi  | mano   | July 2, 2001   |  |
| FULL NAME OF   | FAMILY NAME  | FIRST GIVEN NAME   | SECOND GIVEN NAME  |
| FOURTH JOINT INVENTOR  | Haeno  | Tsutomu  | SECOND GIVEN WAME  |
| RESIDENCE & CITIZENSHIP  | CITY   | STATE OR FOREIGN   | COUNTRY OF CITIZENSHIP   |
|  |  | COUNTRY  |  |
| DOCTOR OFFICE - PRINCE   | Kisarazu-shi   | Chiba-ken  | Japan  |
| POST OFFICE ADDRESS  | POST OFFICE ADDRESS  | CITY   | STATE & ZIP  |
|  | c/o NIPPON STEEL CORPORATION of 6-3, Otemachi 2-chome  | China da lan   | CODE/COUNTRY   |
| Signature  |  | Chiyoda-ku<br>Date   | Tokyo 100, Japan   |
| Signature Sustaine   | Kalno  | July 2, 2001   |  |
| FULL NAME OF   | FAMILY NAME  | FIRST GIVEN NAME   | SECOND GIVEN NAME  |
| FIFTH JOINT INVENTOR   | Ishibashi  | Hiroo  | SECOND GIVEN NAME  |
| RESIDENCE & CITIZENSHIP  | CITY   | STATE OR FOREIGN   | COUNTRY OF CITIZENSHIP   |
|  |  | COUNTRY  |  |
| POST OFFICE ADDRESS  | Kisarazu-shi   | Chiha-ken  | Japan  |
| POST OFFICE ADDRESS  | POST OFFICE ADDRESS  % NIPPON STEEL CORPORATION of 6-3.  | CITY   | STATE & ZIP  |
|  | Otemschi 2-chome   | Chiyoda-ku   | CODE/COUNTRY<br>Tokyo 100, Japan   |
| Signature 1/ . ~   | · · · · · · · · · · · · · · · · · · ·  | Date   | Tokyo too, Japan   |
| Signature Hiros Ist  | libachi  | July 2, 2001   |  |
| FULL NAME OF   | FAMILY NAME  | FIRST GIVEN NAME   | SECOND GIVEN NAME  |
| SOUTH JOINT INVENTOR   | Kawano   | Kazuyuki   |  |
| RESIDENCE & CITIZENSHIP  | CITY   | STATE OR FOREIGN   | COUNTRY OF CITIZENSHIP   |
| 1  | Nagoya-shi   | COUNTRY<br>Aichi-ken   |  |
| POST OFFICE ADDRESS  | POST OFFICE ADDRESS  | CITY   | Japan<br>STATE & ZIP   |
|  | 6/6 NIPPON STEEL CORPORATION of 6-3,   | J  | CODE/COUNTRY   |
|  | Otemachi 2-chome   | Chlyoda-ku   | Tokyo 100, Japan   |
| Signature Kazuyuku   | Kawano   | Date   |  |
|  |  | July 2, 2001   | <b></b>  |
| FULL NAME OF<br>SEVENTH JOINT  | FAMILY NAME  | FIRST GIVEN NAME   | SECOND GIVEN NAME  |
| INVENTOR   | Honda  | Osamu  |  |
| RESIDENCE & CITIZENSHIP  | СПУ  | STATE OR FOREIGN   | COUNTRY OF CITIZENSHIP   |
| <u>.</u>   |  | COUNTRY  |  |
| POST OFFICE ADDRESS  | Tokai-shi  | Aichi-ken  | Japan  |
| POST OFFICE ADDRESS  | POST OFFICE ADDRESS  of NIPPON STEEL CORPORATION of 6-3.   | СПҮ  | STATE & ZIP  |
|  | Otemachi 2-chome   | Chiyoda-ku   | CODE/COUNTRY Tokyo 100, Japan  |
| Signature  | - · · · · · · · · · · · · · · · · · · ·  |  | I row to root halfred  |
| 2 iguamus V  |  | <del></del>  | <del>*</del>   |
| Signature Osamu.   | Idonda   | Date   |  |
| FULL NAME OF   | Idonda<br>PAMILY NAME  | Dam<br>July 2, 2001  | SECOND GIVEN NAME  |
| FULL NAME OF EIGHTH JOINT INVENTOR   | Idonda FAMILY NAME Hiroshige   | Date   | SECOND GIVEN NAME  |
| FULL NAME OF   |  | Date July 2, 2001 FIRST GIVEN NAME Itsuro STATE OR FOREIGN   | SECOND GIVEN NAME COUNTRY OF CITIZENSHIP   |
| FULL NAME OF EIGHTH JOINT INVENTOR   | Hiroshige<br>CITY  | Date July 2, 2001 FIRST GIVEN NAME Itsuro STATE OR FOREIGN COUNTRY   | COUNTRY OF CITIZENSHIP   |
| FULL NAME OF EIGHTH JOINT INVENTOR RESIDENCE & CTITZENSHIP   | Hiroshige<br>CITY<br>Handa-shi   | Date July 2, 2001 FIRST GIVEN NAME Itsuro STATE OR FOREIGN COUNTRY Alchi-ken   | COUNTRY OF CITIZENSHIP Japaa   |
| FULL NAME OF EIGHTH JOINT INVENTOR   | Hiroshige CTTY  Handa-shi POST OFFICE ADDRESS  | Date July 2, 2001 FIRST GIVEN NAME Itsuro STATE OR FOREIGN COUNTRY   | COUNTRY OF CITIZENSHIP  Japaa  STATE & ZIP   |
| FULL NAME OF EIGHTH JOINT INVENTOR RESIDENCE & CTITZENSHIP   | Hiroshige<br>CITY<br>Handa-shi   | Date July 2, 2001 FIRST GIVEN NAME Itsuro STATE OR FOREIGN COUNTRY Akhi-ken CITY   | COUNTRY OF CITIZENSHIP  Japana STATE & ZIP CODE/COUNTRY  |
| FULL NAME OF EIGHTH JOINT INVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS   | Hiroshige CTTY  Handa-shi POST OFFICE ADDRESS c/o NIPPON STEEL CORPORATION of 6-3, Otemachi 2-chome  | Date July 2, 2001 FIRST GIVEN NAME Itsuro STATE OR FOREIGN COUNTRY Alkhi-ken CITY Chlyoda-ku   | COUNTRY OF CITIZENSHIP  Japaa  STATE & ZIP   |
| FULL NAME OF EIGHTH JOINT INVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS   | Hiroshige CTTY  Handa-shi POST OFFICE ADDRESS c/o NIPPON STEEL CORPORATION of 6-3, Otemachi 2-chome  | Date July 2, 2001 FIRST GIVEN NAME Itsuro STATE OR FOREIGN COUNTRY Akhi-ken CITY   | COUNTRY OF CITIZENSHIP  Japana  STATE & ZIP  CODE/COUNTRY  |
| FULL NAME OF EIGHTH JOINT INVENTOR RESIDENCE & CITIZENSHIP  POST OFFICE ADDRESS  Signature  FULL NAME OF   | Hiroshige CITY  Hands-shi  POST OFFICE ADDRESS c/o NIPPON STEEL CORPORATION of 6-3, Otemachi 2-chome  W. Hiroshige FAMILY NAME   | Date July 2, 2001 FIRST GIVEN NAME Itsuro STATE OR FOREIGN COUNTRY Aichi-ken CITY Chlyoda-ku Date  | COUNTRY OF CITIZENSHIP  Japana STATE & ZIP CODE/COUNTRY  |
| FULL NAME OF EIGHTH JOINT INVENTOR RESIDENCE & CTIZENSHIP POST OFFICE ADDRESS  Signature  FULL NAME OF NINTH JOINT INVENTOR                            | Hiroshige CITY  Hands-shi POST OFFICE ADDRESS of NIPPON STEEL CORPORATION of 6-3, Otemachi 2-chome  CU Hiroshigu FAMILY NAME Sato  | Date July 2, 2001  FIRST GIVEN NAME Itsuro  STATE OR FOREIGN COUNTRY Alchi-læn CITY  Chlyoda-ku Date July 2, 2001  FIRST GIVEN NAME Koulchi  | COUNTRY OF CITIZENSHIP  Japan  STATE & ZIP  CODE/COUNTRY  Tokyo 100, Japan   |
| FULL NAME OF EIGHTH JOINT INVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS Signature   | Hiroshige CITY  Hands-shi  POST OFFICE ADDRESS c/o NIPPON STEEL CORPORATION of 6-3, Otemachi 2-chome  W. Hiroshige FAMILY NAME   | Date July 2, 2001 FIRST GIVEN NAME Itsuro STATE OR FOREIGN COUNTRY Akhi-ken CITY Chiyoda-ku Date July 2, 2001 FIRST GIVEN NAME Konichi STATE OR FOREIGN                            | COUNTRY OF CITIZENSHIP  Japan  STATE & ZIP  CODE/COUNTRY  Tokyo 100, Japan   |
| FULL NAME OF EIGHTH JOINT INVENTOR RESIDENCE & CTIZENSHIP POST OFFICE ADDRESS  Signature  FULL NAME OF NINTH JOINT INVENTOR                            | Hiroshige CTTY  Handa-shi POST OFFICE ADDRESS c/o NIPPON STEEL CORPORATION of 6-3, Otemachi 2-chome  PU Hiroshigu FAMILY NAME Sato CTTY  | Date July 2, 2001 FIRST GIVEN NAME Itsuro STATE OR FOREIGN COUNTRY Akhi-ken CITY Chiyoda-ku Date July 2, 2001 FIRST GIVEN NAME Koulchi STATE OR FOREIGN COUNTRY                    | COUNTRY OF CITIZENSHIP  Japna STATE & ZIP CODE/COUNTRY Tokyo 100, Japan  SECOND GIVEN NAME  COUNTRY OF CITIZENSHIP                                   |
| FULL NAME OF EIGHTH JOINT INVENTOR RESIDENCE & CITIZENSHIP  POST OFFICE ADDRESS  Signature  FULL NAME OF NINTH JOINT INVENTOR  RESIDENCE & CITIZENSHIP | Hiroshige CTTY  Hands-shi POST OFFICE ADDRESS c/o NIPPON STEEL CORPORATION of 6-3, Otemachi 2-chome  W. / Hiroshige FAMILY NAME Sato CTTY Tokal-shi  | Date July 2, 2001  FIRST GIVEN NAME Itsuro STATE OR FOREIGN COUNTRY Alchi-ken CITY  Chlyoda-ku Date July 2, 2001  FIRST GIVEN NAME Konichi STATE OR FOREIGN COUNTRY Alchi-ken      | COUNTRY OF CITIZENSHIP  Japna STATE & ZIP CODE/COUNTRY Tokyo 100, Japan  SECOND GIVEN NAME  COUNTRY OF CITIZENSHIP Japan                             |
| FULL NAME OF EIGHTH JOINT INVENTOR RESIDENCE & CTIZENSHIP POST OFFICE ADDRESS  Signature  FULL NAME OF NINTH JOINT INVENTOR                            | Hiroshige CTTY  Hands-shi  POST OFFICE ADDRESS c/o NIPPON STEEL CORPORATION of 6-3, Otemachi 2-chome  W. Hiroshige FAMILY NAME Sato CTTY  Tokal-shi  POST OFFICE ADDRESS                       | Date July 2, 2001 FIRST GIVEN NAME Itsuro STATE OR FOREIGN COUNTRY Akhi-ken CITY Chiyoda-ku Date July 2, 2001 FIRST GIVEN NAME Koulchi STATE OR FOREIGN COUNTRY                    | COUNTRY OF CITIZENSHIP  Japan  STATE & ZIP  CODE/COUNTRY  Tokyo 100, Japan  SECOND GIVEN NAME  COUNTRY OF CITIZENSHIP  Japan  STATE & ZIP            |
| FULL NAME OF EIGHTH JOINT INVENTOR RESIDENCE & CITIZENSHIP  POST OFFICE ADDRESS  Signature  FULL NAME OF NINTH JOINT INVENTOR  RESIDENCE & CITIZENSHIP | Hiroshige CTTY  Hands-shi POST OFFICE ADDRESS c/o NIPPON STEEL CORPORATION of 6-3, Otemachi 2-chome  W. / Hiroshige FAMILY NAME Sato CTTY Tokal-shi  | Date July 2, 2001  FIRST GIVEN NAME Itsuro  STATE OR FOREIGN COUNTRY Akhi-ken CITY  Chlyoda-ku Date July 2, 2001  FIRST GIVEN NAME Koulehl STATE OR FOREIGN COUNTRY Aichi-ken CITY | COUNTRY OF CITIZENSHIP  Japan  STATE & ZIP CODE/COUNTRY Tokyo 100, Japan  SECOND GIVEN NAME  COUNTRY OF CITIZENSHIP  Japan  STATE & ZIP CODE/COUNTRY |
| FULL NAME OF EIGHTH JOINT INVENTOR RESIDENCE & CITIZENSHIP  POST OFFICE ADDRESS  Signature  FULL NAME OF NINTH JOINT INVENTOR  RESIDENCE & CITIZENSHIP | Hiroshige CTTY  Hands-shi POST OFFICE ADDRESS c/o NIPPON STEEL CORPORATION of 6-3, Otemachi 2-chome  CTTY  Tokel-shi POST OFFICE ADDRESS c/o NIPPON STEEL CORPORATION of 6-3, Otemachi 2-chome | Date July 2, 2001  FIRST GIVEN NAME Itsuro STATE OR FOREIGN COUNTRY Alchi-ken CITY  Chlyoda-ku Date July 2, 2001  FIRST GIVEN NAME Konichi STATE OR FOREIGN COUNTRY Alchi-ken      | COUNTRY OF CITIZENSHIP  Japan  STATE & ZIP  CODE/COUNTRY  Tokyo 100, Japan  SECOND GIVEN NAME  COUNTRY OF CITIZENSHIP  Japan  STATE & ZIP            |